



Vikane®

FACT SHEET FOR VIKANE® GAS FUMIGANT (SULFURYL FLUORIDE)

SPECIALTY GAS FUMIGANT

VIKANE® GAS FUMIGANT

In the interest of Douglas Products' commitment to product stewardship, this fact sheet is intended to provide basic information about the product and how it is used. If you have specific questions about your fumigation, refer to documents provided by the fumigator or call the fumigator listed on the warning signs posted on your structure. If you have questions about Vikane gas fumigant (the fumigant used) or the procedures described, call the Douglas Products Customer Information Center at 844-8VIKANE (844-884-5263)

WHY BUILDINGS ARE FUMIGATED

Insects that feed or tunnel into wood can seriously damage houses, apartments, and other dwellings or structures. Each year termites or other wood destroying insects damage more than 5 million homes. Other pests, such as bed bugs, may be dispersed throughout rooms and can be difficult to locate and control quickly and completely. Depending on the extent or location of the infestation, fumigation is the only total control method proven to eliminate certain infestations of wood destroying insects, bed bugs, and other structure-infesting pests.

HOW BUILDINGS ARE FUMIGATED

Because Vikane is a gas, prior to fumigation, the structure is completely sealed. This serves to contain Vikane in the building so it can penetrate wood and building contents to thoroughly eliminate the pests. Depending on the construction of the building, the doors and windows may be sealed with tape and a plastic sheet, or the structure may be covered with a tarp. The building will remain sealed for 2-72 hours depending on the specifics of the job. Warning signs are posted around the building notifying people to keep out.

After the fumigation period is completed, a professional

fumigator will aerate the structure using fans for a prescribed aeration period. Once the dwelling has been thoroughly aerated, the fumigator is required to measure the level of any fumigant remaining in the living space to ensure it is below the EPA approved concentration for reentry by the occupants. Extremely low levels of fumigant can remain for a short period of time in dead air spaces between walls and inside cabinets as well as porous materials such as furniture. The small amount of fumigant in these areas will continue to dissipate for a few hours after the fumigation but at levels well below the established safe reentry concentration. Your building will not be cleared for reoccupancy until it is safe to enter. The fumigator will post a notice on your building indicating the day and time for reentry. Structures can be occupied only when the concentration is 1 part per million or less (this represents a margin of safety – laboratory animals have been exposed to 100 parts per million for 2 weeks with no adverse effects). Because Vikane is a true gas and not a vapor, aeration is rapid. Recent studies demonstrated that in most structures levels are less than 1 part per million after the prescribed aeration period and have no detectable levels of Vikane within 24 hours after the start of aeration.

Sulfuryl fluoride is a colorless, odorless gas, so a warning agent is added to the building that causes watery eyes and a scratchy throat. If you experience these symptoms in a structure that has been recently fumigated, you should leave immediately and call the pest control company to have your building retested.

SULFURYL FLUORIDE (POTENTIAL HEALTH RISKS FROM OVEREXPOSURE)

Sulfuryl fluoride is a gas that can potentially enter your body only through inhalation. Because it is a gas, it does not stay on dry surfaces; therefore, there is no exposure from touching treated surfaces.

NERVOUS SYSTEM AND RESPIRATORY IRRITATION

Overexposure to high levels of sulfuryl fluoride can result in nose and throat irritation and nausea. At high concentrations (such as those used during the fumigation) it can cause excess fluid in the lungs, sleepiness, pneumonia, and convulsions. These symptoms would be expected to appear within 8 hours after such an exposure. In the unlikely event you experience these symptoms in the building that has been recently fumigated, you should leave immediately. Consult your physician and call the pest control company to have your building retested.

ADDITIONAL STUDIES

Sulfuryl fluoride has not been shown to cause birth defects in pregnant animals exposed under experimental conditions. In addition, current studies have demonstrated there are not mutagenic or genotoxic effects caused by exposure to sulfuryl fluoride.

QUESTIONS

If you have specific questions about your fumigation, refer to documents provided by the fumigator or call the fumigator listed on the warning signs posted on your structure. Call the Douglas Products Customer Information Center at 844-8VIKANE (844-884-5263) if you need additional information or have questions concerning this product.

SAFETY PRECAUTIONS AND HOMEOWNER PREPARATION

- Discuss the treatment program in advance with your pest control company so you fully understand what will be done and what you need to do.
- Carefully follow the instructions your are given about what items you are to remove from your building.
- Stay out of the treated building until it is cleared by your pest control company for reentry.
- If you are interested or concerned, you should ask your pest control company to show the records of how your building was aerated before it was cleared for reentry.
- You may wish to increase ventilation by opening doors and windows.

www.TermiteTenting.com



©Trademark of Douglas Products

These materials have been created for Vikane gas fumigant and no other structural fumigant. The information contained in these materials is based upon the product label and use instructions for Vikane and are not intended for use with other structural fumigants, which will have different product label requirements.

These materials may not be copied or reproduced without permission of Douglas Products.

Vikane is a federally Restricted Use Pesticide. Always read and follow label directions.

U01-069-146 (07/15) DP FC-01KF



Whole-home Fumigation With Vikane® Fumigant.

What California Homeowners Need to Know

Drywood termites cost homeowners hundreds of millions of dollars in damage each year, and they can be difficult or even impossible to find. Vikane® fumigant is the only whole-home treatment proven to eliminate 100% of drywood termites because it moves throughout all wood in the house to reach them.

The following questions about fumigation are common. There is support available throughout a whole-home fumigation to help you prepare and know you've made the right choice. The answers to the following questions can provide peace of mind that all drywood termites have been eliminated through treatment with Vikane, and that appropriate steps have been taken to ensure the safety of your family, pets and property.

What is the fumigation process?

1. Your home is carefully prepared and tented.

Think of the tent as a balloon; it keeps the fumigant in so the termites die.

2. The tent is filled with fumigant.

The precise amount of fumigant makes its way through your home, seeking out every termite, no matter where it's hiding. Your fumigator will determine how long Vikane needs to be inside the home.

3. Every single termite dies.

No more invaders hiding in your walls, eating away at your home.

4. The tent is vented and your home is termite-free.

The fumigant completely exits your home and does not leave surface residues or living termites behind.

What is Vikane?

Vikane is the proven, trusted treatment used in whole-home fumigation, leaving your home 100% free of destructive, unwanted termites. And because it does not leave surface residues, there's nothing left to worry about.

What is chloropicrin?

Chloropicrin is a warning agent that deters early or accidental entry to the home. Your fumigator will make sure it is released completely from the home following fumigation.

What precautions are taken to help ensure my family's safety?

To help ensure your family's safety, your licensed fumigator will:

- Release a warning agent to deter entry into the home.
- Secure doors on your home by using deadbolts or additional locking devices to prevent unauthorized entry.
- Open all cupboards, drawers, trunks and vaults to ensure the fumigant quickly dissipates from your home.
- Use specialized equipment to test the air to ensure the fumigant has dissipated so you may re-enter your home. The fumigant level must be below the U.S. Environmental Protection Agency (EPA) requirement — 1 part per million or less — in all breathing zones. Therefore, as soon as the fumigator clears the structure, you may return to your home.



Preparing for Whole-home Fumigation in California:

What Do I Need to Do to Prepare for Fumigation With Vikane® Fumigant?

Fumigation takes some preparation on your end, but there are a few simple suggestions that can make it as successful and easy as possible. Beyond the steps outlined below, check with your fumigator for additional home preparation information.

If you have any questions about how to prepare your home, please contact your fumigator.

Before Fumigation

- Make accommodation arrangements for your family and pets. Fumigation in California will typically keep you out of your home three days and two nights. **Your pest management professional will give you clear details about how long the process will take.**
- ~~Contact the gas company to have the service shut off on the day of fumigation.~~ Driskell Fumigation will contact PG&E/PA Utilities, in advance, to schedule the gas lock/shut-off appointment.
- Remove or prepare unsealed food and medications.*
- Make arrangements for transfer of house keys with your pest management professional.
- Move indoor and potted outdoor plants away from your home.
- Open waterproof covers on all mattresses and pillows.**

*Special bags can be used to keep unsealed food and medicines in the home during fumigation. Your pest management professional will have more information on preparing food and medicines.

**If waterproof covers have built-in air vents, they do not need to be opened.

Day of Fumigation

- Give house keys to your pest management professional.
- Remove all people, pets and plants from the home and thoroughly water landscaping around the structure.
- Turn off automatic timers, heaters, air conditioning and other devices.
- Extinguish all pilot lights. PG&E/PA Utilities will complete this during the gas lock/shut-off appointment.
- Contact the gas company to make a service-restoration appointment. The account holder must complete this in advance as PG&E/PA Utilities may not schedule any same-day or next-day gas unlock/turn-on appointments.

After Fumigation

- Don't re-enter your home until a licensed fumigator says it's OK to do so.
- Turn devices and timers back on.
- It is not necessary to wash items such as dishes, linens and clothing. The fumigant will have dissipated from your home by the time you've returned, and it will not have left behind surface residues.
- Enjoy the peace of mind that the termites are gone.

What to Bag or Remove

Ask your fumigator to help you determine what additional items, if any, need to be double-bagged or removed prior to fumigation. A good rule of thumb is, "When in doubt, take it out." Here are some examples.

Double-bag or remove these items:

Medicine, tobacco, vitamins and other ingestible pills, supplements and lozenges if not sealed in glass, plastic or metal jars or cans with the original manufacturer's airtight seal intact



Pet food and animal feed in bags and boxes



Any food, feed, drugs and medicines if not sealed in glass, plastic or metal bottles, jars or cans with the original manufacturer's airtight seal intact



Chips, pasta, bread, cereals, rice, cookies, crackers and any other items packaged in plastic, paper or cardboard bags or boxes, even if they have never been opened



Beverages, snacks, sauces, drugs, medicines or other items in metallic foil-lined containers such as pouches, boxes or blister packs



Anything in resealable containers, including plastic containers, such as milk, butter, sour cream and cottage cheese



Eggs, fruits, vegetables and any other forms of produce



Use Nylofume® bags when bagging items. These are specially designed to protect your unsealed food and medicines. Your pest management professional can provide them.

You DO NOT need to bag or remove these items:

- Any food, feed, drugs, tobacco products and medicines if **sealed** in glass, plastic or metal bottles, jars or cans with the **original manufacturer's airtight seal** intact (examples: unopened 2-liter soda/pop, liquor, beer or wine bottles).
- Dental hygiene products (including toothpaste, mouthwash, dental adhesives and whitening products).*
- Shampoo and soaps.*
- Cosmetics, including lipstick.*
- All externally applied lotions and ointments.*
- Water and ice cubes.*

*Includes opened containers

To Remove Or Not To Remove... That Is The Question.

Protecting consumable items like food, feed and medicine is part of the fumigation process with Vikane®/ Master Fume® gas fumigant. However, from time to time questions arise about which items need to be removed from a structure or double-bagged in NYLOFUME® bags, and which items can remain in the structure un-bagged during the fumigation. Here are some examples to guide you as you prepare your home for fumigation.

Remove or Bag These...



Aspirin, vitamins, and all other medications that are ingested through the mouth must be removed or bagged.



Bag or remove store bought & rolled cigarettes, cigars, and all other types of tobacco.



Rice, pasta, potato chips, pretzels and other foods packaged in plastic bags need to be bagged or removed



Animal feed, like human food needs to be bagged or removed. This includes wild & domestic birdseed.



Foods package in cardboard boxes or bags, like cereal, crackers, cookies and creamer must be bagged or removed (even if the boxes have never been opened).



Spices in glass or plastic containers, without their original manufacturer's airtight seal intact must be bagged or removed.



Eggs, fruits, and vegetables must be bagged or removed.



Butter, cream cheese, yogurt, cottage cheese, and any other items in similar re-sealable containers, including Tupperware and other like storage containers, should be bagged or removed because they do not form airtight seals.

No Need To Remove or Bag These...



Unopened plastic soda and water bottles with manufacturer's airtight seal intact may remain un-bagged. Shake the soda bottles to verify that the airtight seal is still intact.



Unopened bottles of liquor and wine (stored horizontally) may also remain un-bagged and in the property. Unopened cans (including home canned goods) and glass jars like soup and soda cans may remain un-bagged and inside as long as their original manufacturer's airtight seal is still intact.



Cosmetics including lipsticks may remain un-bagged and in the property. Products like shampoos and soaps and all externally applied lotions and ointments may also remain un-bagged and in the property.



Dental hygiene products (including toothpaste, mouthwash, dental adhesives, dental whitening products, etc.) may remain un-bagged and in the property



Ice and opened bottled drinking water may remain un-bagged and in the property.

When In Doubt, Take It Out...

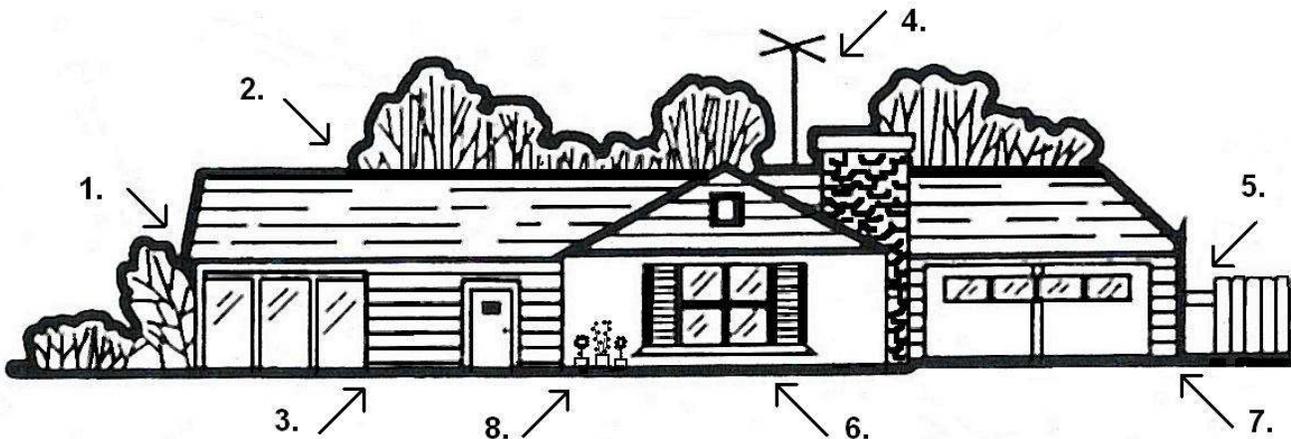
If there is any question as to the seal on an item, the best approach is to take it out of the structure.

If you have any questions about what items should be bagged, please contact **Driskell Fumigation Inc.** at **408-920-6353** or email us: **e-mail@driskellfumigation.com**.

EXTERIOR PREPARATION FOR FUMIGATION

Our fume crew will be at the property at the time of the fumigation to complete some of the following steps to prepare the outside of the structure for the fumigation (unless specified otherwise). You do not have to be at the property for this, it's just FYI so no one is alarmed when one of our team members is seen on the property. We will also put everything back the way it was after the fumigation is completed (by the safe for re-entry date or the day after).*

- 1. Plants, Bushes, Vines, Weeds, Hedges, etc.** All vegetation and ground cover must be trimmed, removed and/ or pulled back at least 1 foot away from the structure(s), until bare dirt and/or cement is exposed. *(Property owner/ occupant/ agent is responsible for the transplanting of any and all plant life growing within an atrium, overhang, patio cover, deck area, planter box, and/or any other similar structural feature.)*
- 2. Trees.** Pull back tree limbs away from roof and eaves to allow at least 1 foot clearance from the structure.
- 3. Decorative Rocks and Bark.** All items must be raked back away from the structure(s) at least 1 foot out and deep enough to expose bare dirt.
- 4. Antennas, flood light bulbs, light fixtures, weather vanes and chimney spark arrestors.** If any of these items may come into contact with the tent, they may need to be disconnected and removed from the roof of the structure, unless otherwise specified. Items may be reattached upon completion of fumigation. *(Satellite dishes such as those provided by DirectTV or DishNetwork will be wrapped around so they do not have to be detached. There are some antennas that we may also be able to wrap around so they do not have to be detached).*
- 5. Fence Boards.** Remove 3-4 fence boards or the entire section of fence if it is less than 1 foot away from the structure.
- 6. Soaking the soil.** Heavily water all soil within 1 foot of the structure.
- 7. Drain pipes.** Detach all drain pipes that lead into the ground (also known as "French drains") and tape off at ground level to ensure gas does not escape down the drain during fumigation.



**Note: Listed above is an overview of what must be completed to allow the fumigation to be performed. Some or all steps may pertain to your property. (To be completed by the Driskell Fumigation, unless specified otherwise)*

Stored Items & Debris. Any items and/or debris stored against or within 1 foot of the structure to be fumigated must be moved at least 3 to 5 feet away from the structure by the property owner/ occupant/ agent.

Please call our office at (408) 920-6353, if you have any questions/concerns regarding the process.